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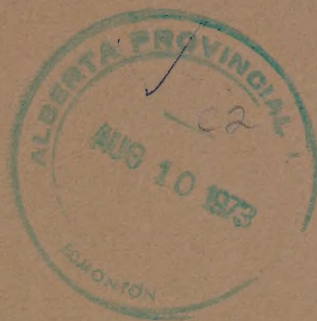
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1972

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The First
Annual Report
of the



Department of
Advanced Education 1972

This volume of the Annual Report for the Department of Advanced Education is for the period July 1, 1971 to June 30, 1972. Education in Alberta is served by two departments, the Department of Advanced Education and the Department of Education.

Annual Reports of the Universities Commission and of the Colleges Commission may be obtained by request from either of these Commissions.

To His Honour

J. Grant MacEwan

Lieutenant Governor of the Province of Alberta

Sir:

I have the honour to transmit the Annual Report of the Department of
Advanced Education for the School Year 1971 - 72.

I remain, Sir,
your obedient servant
JAMES L. FOSTER
MINISTER
OF ADVANCED EDUCATION

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The topics of the Tables in the Statistical Appendix follow the same order as do their relevant headings in the table of contents. See the Statistical Appendix contents page.

The services of three branches of the Department of Education are also shared by the Department of Advanced Education. These branches are Finance, Statistics and Legislation (See Department of Education Report), Communications (See Department of Education Report), Personnel (See page 31)

Dr. Rees Retires On June 9, 1972, Dr. R. E. Rees retired as Deputy Minister of Advanced Education, after a long and distinguished career.

Born and educated in Alberta, Dr. Rees attended Camrose Normal School. He received degrees in bachelor of arts and bachelor of education from the University of Alberta and a masters of arts degree and doctorate in philosophy from Northwestern University in Evanston, Illinois.

He began his teaching experience in rural Alberta schools. Dr. Rees served as principal of Czar, Provost and Ponoka schools before becoming Superintendent of Schools at Edson, Oyen, Stettler and Grande Prairie.

During the second world war, Dr. Rees served in Canada and overseas as a member of the Royal Canadian Air Force.

Following the war, he became professor of Education at the University of Saskatchewan, then at the University of Alberta.

Dr. Rees rejoined the staff of the Department of Education in 1954 as Superintendent of Schools for the County of Grande Prairie. In 1955 he was appointed high school inspector at Red Deer. He was later transferred to Edmonton.

In 1957, Dr. Rees was appointed Secretary of the Royal Commission of Education. In 1959, when the work of the Commission was complete, he returned to the position of High School Inspector in Edmonton.

In 1960, Dr. Rees became Assistant Chief Superintendent of Schools, and a year later, as a result of reorganization, he became Director of Special Educational Services.

His contribution to education was acknowledged by his appointment in 1966 as Chief Superintendent of Schools in Alberta. He served in this capacity until he became Associate Deputy Minister of Education in 1969.

Dr. Rees assumed the position of Deputy Minister of Education in May, 1971, and became Deputy Minister of Advanced Education in October of that year.

Report of the Deputy Minister

I have the honour to submit the First Annual Report for the Department of Advanced Education for the institutional year ended June 30, 1972. Unofficially, this department has been in existence since September 10, 1971, and officially only since June 2, 1972. On this date Bill 33 — The Advanced Education Act, came into effect outlining the responsibilities of the Department of Advanced Education.

Mr. A. Bredo was appointed as Acting Deputy Minister until October 15, 1971, when Dr. R. E. Rees was named by the Cabinet to the position of Deputy Minister. On January 19, 1972, Dr. Rees moved his offices to their present location in the Devonian Building. Dr. Rees retired as Deputy Minister on June 9, 1972, and for the remainder of the institutional year was replaced by Mr. J. P. Mitchell as Acting Deputy Minister.

As the result of the creation of a new department much of the work in the first nine months was concentrated on clarifying responsibilities within the department. To this end a Deputy Minister's Advisory Council was formed which included the several directors of the department's component divisions. This body was invaluable in establishing the department on solid ground.

In order to coordinate many important policy decisions affecting the entire systems of advanced education in Alberta, an Advanced Education Council was initiated to study current and future issues. Including representatives from the Universities and Colleges Commissions and the directors of the department, this body identified common concerns of coordination, new opportunities for joint activity and areas requiring further research.

Four issues of concern to students and institutions were placed under study by the various divisions of the department and by the two commissions. Transferability, student assistance, enrolment projections and the role of the two commissions were carefully studied, resulting in some preliminary proposals for future change.

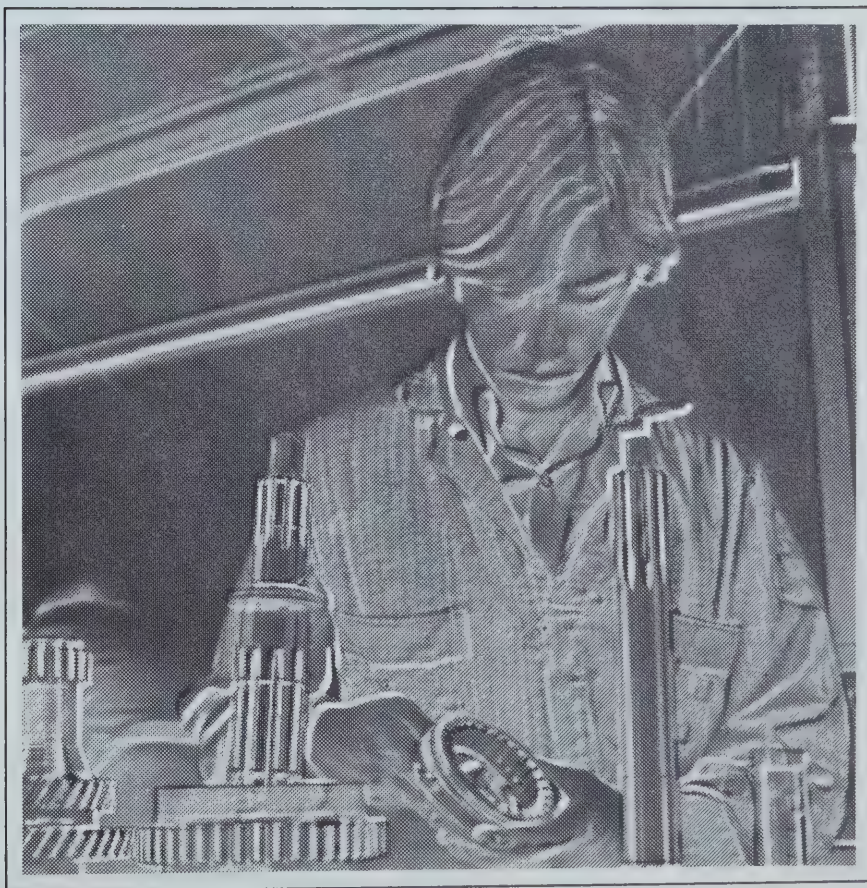
During 1971 - 72 year the Canadian Council of Ministers of Education began to take a more active role aimed at resolving some of the national issues confronting educators in all provinces. Extensive meetings were held with the Federal Government regarding The Fiscal Arrangements Act which is currently under revision. The Council of Ministers was also able to aid the establishment of Summer Language Bursary Programs for students wanting to improve their knowledge of one of Canada's two official languages. Through this Program bursaries were obtained to enhance the learning of French at both College Universitaire St. Jean and the Banff Centre, and the learning of English for French speaking Canadians at College Universitaire St. Jean. Over two hundred students from Alberta participated in the initial program.

During this period, one new division was created in the department. This division was established to oversee the development of the three agricultural and vocational colleges. Formerly, under the jurisdiction of the Department of Agriculture, the transfer of these colleges was authorized by The Advanced Education Act of June 2, 1972. Directed by Mr. J. E. Hawker, this division has begun giving leadership-service to the three colleges, as well as to coordinate their activities with other advanced education institutions.

On June 16, 1972, the Honourable J. L. Foster, Minister of Advanced Education, received the report entitled *A Choice of Futures* from the Commission on Educational Planning. This report was placed under study by the Cabinet Committee on Education, and by officials of this department.

Respectfully submitted,
WALTER H. WORTH
DEPUTY MINISTER
OF ADVANCED EDUCATION

Division of
Vocational Education



Division of Vocational Education (Technical and Vocational Education)

J. P. Mitchell, Director

During the reporting year the Division was transferred from the Department of Education to the newly formed Department of Advanced Education. This was effected by transfer of the 15 appropriations under the administration of the Division, and thereby involved all staff, physical facilities and program offerings of the Division. Major modifications of organization and programming await the reorganization and reorientation of the new Department.

The role of the Division continues to be that of offering technical education and vocational training programs in a variety of ways, inclusive of: offerings in institutions; by contract or special arrangement with agencies or industries; or by special arrangement in temporary locations throughout the Province. It also includes the placement of trainees into programs irrespective of where or how the program is offered. Trainees may enter or be placed into training in a variety of ways, including: payment of fees; sponsorship by the Province under the Alberta Vocational Training Program and joint sponsorship by Canada Manpower and Alberta; sponsorship by the Department of Indian Affairs and Northern Development; as physically handicapped persons under the Canada Assistance Plan; or directly by the Alberta Department of Health and Social Development.

The following briefly summarizes the activities of the Division and some of its highlights of operation during the 1971 - 72 reporting year.

Institutes of Technology

The SOUTHERN ALBERTA INSTITUTE OF TECHNOLOGY and the NORTHERN ALBERTA INSTITUTE OF TECHNOLOGY are major institutions offering technical education and vocational training in the Province. Both are internationally recognized for the high standard of education and training which they provide. There was continuing activity during the year in the area of forward planning with the intention that both Institutes might, within the next decade, approximately double their present student enrolments. It is considered that when they reach this level they will operate at maximum efficiency and also adequately meet the needs of the expanding industrial and business segments of the Province. At the same time they will be able to more reasonably serve the needs of persons needing or seeking training or retraining. More detailed reports from both Institutes are included in this Annual Report.

The Alberta Vocational Centres

During the year the major Vocational Centres continued to operate in Calgary, Edmonton, Ft. McMurray and Grouard. Occasionally, and for administrative reasons, programs in temporary locations were designated as Vocational Centres, e.g. Alberta Vocational Centre, Hobbema.

The ALBERTA VOCATIONAL CENTRE, CALGARY continued to operate in rented space to its maximum capacity providing programs for approximately 1,350 students for a total of about 92,500 student days of training. An additional activity of the administration and staff was the preparation for moving into the new building which becomes available early in the next reporting year.

The ALBERTA VOCATIONAL CENTRE, EDMONTON. This centre has now been housed in its new facilities located at 10215 - 108 Street and, as a result of its increased facilities, provided approximately 190,000 student days of instruction to about 2,300 individual students. Major offerings in this Centre include Academic Upgrading, Nursing Orderly, Business Education, and Industrial English.

The ALBERTA VOCATIONAL CENTRE, FORT McMURRAY continued to operate at capacity providing programs to approximately 500 persons for a total of about 33,000 student days of training. This Centre offers a diversity of pre-employment type programs, inclusive of the following: Academic Upgrading, Automotives, Building Construction, Business Education, Career Driving, Cooking, Heavy Equipment Operating, Journeyman Carpentry Upgrading, Pipe Trades, Retail Clerking, Welding and Industrial Welding. The new gymnasium building became serviceable during the year and is providing a valuable service both to the trainees and to the community. A new warehouse building was provided which will facilitate better control of materials and equipment and, as well, improve the efficiency of the operation of this Centre. During the reporting year extensive consideration was given to the future of this Centre in light of the expected industrial development in the area.

The ALBERTA VOCATIONAL CENTRE, GROUARD offered about 23,000 days of training to approximately 350 students. This is the second year of its operation and considerable expansion of program offerings has taken place. Programs of particular interest at this Centre are at the para-professional level, inclusive of Educational Technicians, Teaching Aides, Pre-School Supervisors and Janitorial Upgrading. These are highly successful in that they are designed to prepare local people of native ancestry to return to employment in their local communities where, because of their knowledge of the native language, their familiarity with the social values of the local communities and their specialized training, they are proving particularly effective. The Educational Technician graduates are mainly used in the Community Centres, but it is also of interest to note that nine completed the entrance requirements of the Faculty of Education, University of Calgary, during the year and are planning to attend next year. Graduates from the other programs are finding employment with the Northland School Division, the High Prairie School Division, and in the Preventive Social Services Program.

The SLAVE LAKE COMMUNITY CENTRES are part of the over-all development in the Slave Lake area and in part serve as satellites to the AVC at Grouard. Arrangements are such that a suitable building is provided in an interested local community and the Educational Technician graduates from Grouard provide Basic Literacy, Academic Upgrading and Vocational Orientation to the local adult population who have not previously enjoyed such an opportunity. A building may already be available in the local community, or, alternatively, the community group may undertake to construct a building, either log type or of frame construction, with the Division providing financial assistance. Normally, the interested community group enjoys the experience of tendering and constructing the building. During the year Community Vocational Centres became operative in Chip Lake, Wabasca, Slave Lake, Blue Ridge, Calling Lake, McLennan, East Prairie, and Sandy Lake, and, in total, 175 students received approximately 8,000 days of training. At least five other communities in the area have indicated an interest in having this service provided to them, and negotiations and some planning was undertaken during the year.

The ALBERTA PETROLEUM INDUSTRY TRAINING CENTRE, EDMONTON continued to operate as a special-purpose centre with programs limited to those of a pre-employment and upgrading nature associated with the drilling industry. During the year, consideration was given to expanding the service area of this Centre to other segments of the petroleum industry and, dependent upon outcomes of discussions with industry, it is possible there will be developments of this nature in succeeding years. In total, 923 persons received 7,190 days of training in this Centre. This was a slight reduction as compared to the previous year.

Other Programs The VOCATIONAL REHABILITATION OF DISABLED PERSONS PROGRAM provides for equal federal and provincial sharing of the costs of education and training which is provided to approved 'physically and mentally disabled' persons. Under this scheme persons were placed in the Alberta Vocational Centres, the Technical Institutes, the Colleges, the Universities, and in private schools. This is a rapidly expanding program with approximately 690 persons being provided with training during the reporting year.

The NURSING AIDE TRAINING PROGRAM continued to be provided by the Department of Health and Social Development with the Division of Vocational Education cooperating and providing certain administrative services. During the year approximately 600 Nursing Aides received about 100,000 days of training.

The PRIORITY EMPLOYMENT TRAINING PROGRAM was a special program which the Province instituted during the winter months as a means of improving the employability of interested adults who were otherwise unemployed or unemployable. Under this program the Division requested all interested operational institutions in the Province to survey their community and develop programs which would prepare persons for employment in occupations where opportunities either existed or were foreseen. The Division provided over-all coordination, financed the operational costs incurred by the institutions, and also provided training allowances to eligible trainees. The following institutions participated: Agricultural and Vocational Colleges at Fairview, Olds, and Vermilion; Alberta College; Alberta Vocational Centres at Calgary, Edmonton, Ft. McMurray, and Grouard; Calgary Public School Board; Edmonton Public School Board; Grande Prairie College; Grant MacEwan College; Lethbridge College; Medicine Hat College; Mount Royal College; Northern Alberta Institute of Technology; Southern Alberta Institute of Technology; and the Vocational and Rehabilitation Research Institute. A total of 4,075 persons were provided with about 176,000 days of training under this program. Although full assessment had not been made of the program by the end of the reporting period, very encouraging reports had been received from many of the institutions and individuals involved.

The Occupational Training of Adults Agreement Under this federal-provincial Agreement the federal Department of Manpower and Immigration, through its Prairie Regional Office in Winnipeg, purchased training spaces in eligible programs offered throughout the Province. Under the Apprenticeship portion of the Agreement, 8,683 apprentices were provided with 394,730 days of training, and in

General Purchase, 6,889 individuals received 516,045 days of training. In both cases this was some increase as compared to the previous year.

Overseas Project An unusual activity of the Division is to provide consultive services, and training expertise, on behalf of the Canadian International Development Agency for a project which involves the planning, development and phasing into operation of a Technical High School located in Benin City, Nigeria. Major activities during the year were those connected with curriculum development and the preparation of lists of equipment and supplies.

Northern Alberta Institute of Technology

G. W. Carter, President

GENERAL

The 1971 - 72 term at NAIT was, again, marked by an increase in enrollment and in applications for admission with applications exceeding the available spaces by 2,347. In order to accommodate additional students, there was some restructuring of timetables to extend the school day, thereby increasing the use of existing facilities.

Certain programs continued to remain extremely popular, and were heavily over-subscribed as a consequence. Approximately one-third of the 48 programs offered at NAIT were in this category. Applicants who could not be enrolled in their first choice program were encouraged to register in technologies that were not over-subscribed.

In addition to the regular programs, NAIT contributed to the success of the Priority Employment Training Program by providing instruction to 421 students in 23 different vocations through the Division of Continuing Education.

Enrollments for the year were:

Business & Vocational	1,405
Industrial Division	454
Apprenticeship Division	4,732
Technology Division	1,802
Continuing Education	9,823
Total number of students enrolled during the year	18,216

(Detailed breakdown by courses is shown in Tables 1 to 5 inclusive.)

NEW CONSTRUCTION AND RENOVATIONS

Work began on the construction of an Activities Centre Building with completion scheduled for June, 1973.

Renovations and extension of services were made to existing buildings on the NAIT main campus, as well as to the Princess Anne School building and property which was acquired from the Edmonton Public School Board.

Two architectural firms, who had been commissioned to study future plans for NAIT expansion, submitted their report to the Department of Public Works. Further study and planning was continued by the Department of Public Works.

STAFF

G. W. Carter succeeded W. A. B. Saunders as President of NAIT August 1, 1971.

Seven NAIT Instructors were either granted foreign service leave or leave extensions to work for C.I.D.A. in developing countries.

Revenue & Costs The following revenue and costs of operation are based on the Institute year commencing April 1, 1971, and terminating March 31, 1972:

Net Revenue (tuition, food sales, etc.)	\$ 977,757.90
Operating Costs	\$8,617,512.67
Total Student Hours of Instruction	5,451,960 hrs.
Cost Per Student Hour	\$1.58

Student Activities The Student Activities Program consisted of a wide range of opportunities for the students to become involved in areas of publication, entertainment, education and community services. Increased emphasis was placed on student participation in community service projects, such as Shinerama, Santa's Anonymous, blood drives, etc., and in shared planning projects involving students, faculty, and administration.

Sixteen Intramural sports programs were offered in which 2,574 student competitors took part. Completion of the Activities Center will permit the expansion of this program to include apprenticeship students.

In Interscholastic athletics, the NAIT Athletic Board sponsored a total of 21 teams, involving 184 student athletes. NAIT students were successful in achieving second in the Alberta College Athletics Conference.

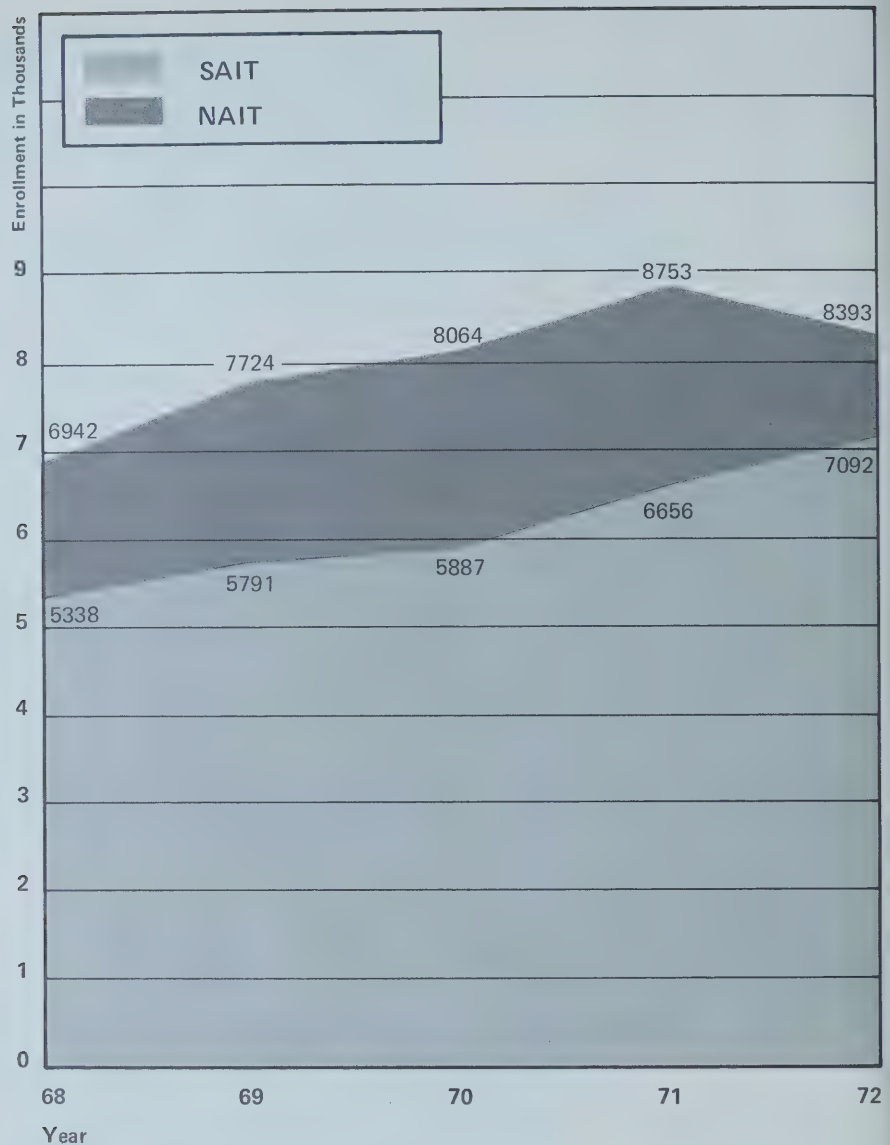
Student Loans During the school year 1971 - 72, a total of \$2,185,722.00 was borrowed by students attending NAIT. This amount serviced 1,881 students at an average loan per student of \$1,162.00.

Student Awards Student awards in the amount of \$25,175.00 were distributed among 262 students. This included 108 Queen Elizabeth Prizes worth \$5,250.00.

Student Employment Graduate students were highly successful in obtaining employment.

Out of 829 graduates who registered for employment, 409 were placed by the Student Placement Office, and 406 through other means, leaving a balance of only 14 persons seeking employment as of August 31, 1972.

Enrollment Increase at NAIT and SAIT 1968 - 1972



* These are not total enrollment figures since they do not include continuing education (extension) students. In 1972, NAIT enrolled 9,823 such students; SAIT, 5,192 plus 3,116 correspondence students.

F. C. Jorgenson, President

Exciting changes took place at SAIT last year. We added a parking structure, a student apartment building and the first phase of a new technology and trades building. In the classroom, students and instructors tried new and innovative ways of learning, special lecturers came on the campus to discuss new techniques, and over four hundred business and industrial leaders met here to give us advice on our curriculum.

Over eight hundred students graduated and got jobs (see exhibit 'A'), departments expanded their enrolments, and the total enrolment grew to 15,400 (see exhibit 'B').

SAIT can truly call itself a polytechnic with offerings in business, the technologies, the applied arts, the trades, the fine arts and the new paramedical technologies all designed to develop the potential of students from all sectors of the community (see exhibit 'C').

SAIT is well equipped to meet the challenging demands of the Southern Alberta community. A total of 837 people work at the Institute: 423 instructors and 259 administrative and support personnel, plus 155 people employed by the Department of Public Works. Although primarily these people are part of the function SAIT carries on daily, they are also deeply involved in community affairs.

During the past year 194 courses were held by Continuing Education, with a total enrolment of 5,192. There has been a sharp rise in the number of seminars and short courses offered, particularly tailored to the needs of specific groups. Classes are now offered in the community service area as well as the technologies and business. Equally important to the community is the SAIT Correspondence Division, which provided instruction to 3,116 students last year (see exhibit 'D').

To coordinate the life-long education function of the Institute, Continuing Education and Correspondence became one administrative unit.

SAIT also plays a significant role in international education with 11 instructors seconded to the Federal Government for overseas assignment in Guyana, Jamaica, St. Kitts, Uganda, Zambia, Singapore and Tanzania.

With the increase in physical plant and student population we also found it necessary to undertake a re-evaluation of the student services offered by the campus. Under the guidance of our New Director of Student Services, Mr. A. J. Buttle, a comprehensive program was formulated, including a management system for the new SAIT Apartments scheduled to open in the fall of 1972. The addition of 500 students living on the campus is expected to significantly change the character of SAIT.

Anticipating the many changes ahead, the student government devoted more time to internal development than to outside conferences. Among the innovations introduced was a student legal advisory system.

Student involvement in extracurricular activities was again good, with 75 per cent of the students participating in at least one of the 77 activities in the program.

An Awards Day Luncheon was held on October 22, 1971 for the winners and donors of scholarships, bursaries and prizes, which for 1970 - 71 amounted to \$42,148.50.

The most difficult of student services, finance, was again handled well through the Registrar's office. One thousand and twenty-six students received \$1,064,630 in assistance through the Provincial and Canada loan systems (see exhibit 'E'). A small emergency President's Fund also provided some help for short term problems.

Our community relations program has achieved success on many fronts. The traditional walled campus city has been replaced with an open institution. Our continuing efforts to inform the public about SAIT and its activities through radio, television and the newspapers have been successful. The annual Institute Open House attracted over 18,000 students, parents, business people and other interested members of the community. The key to the community relations program has been an emphasis on feedback. Although the program is hard to measure, student enrolment and graduate employment indicate a high level of success.

Regional
Colleges



Regional Colleges Division

J. E. Hawker, Director

Olds College The year was one of continued progress in all aspects of the college operation.

J. E. Birdsall, Principal There was a 22 per cent increase in enrolment in regular programs in the fall semester and 12 per cent in the winter session but a reduction of 15 per cent in the spring half-session. Progress in development and increase in enrolment in Agricultural Mechanics programs was most gratifying. An agreement was reached in June with Lethbridge Community College to offer the first year of the program with Olds College continuing to offer both years.

The two-year program in Fashion Merchandising went through its second year for the first time as a two-year program. Fabrics and Dress 10 was offered as a summer course for high school girls on a trial basis and was well received.

A Priority Employment Training Program in Ornamental Horticulture was offered to unemployed people in the winter semester.

A Meat-Cutting program, organized by Red Deer College, was held at Olds College and co-ordinated by an Olds College instructor. Some students were admitted to regular programs all under the P.E.T. program instituted by the government. A Floriculture program will commence in January, 1973.

Continuing Education The local Continuing Education Committee continued to operate with representation on it from the Department of Agriculture, the County of Mountain View and the towns in the county.

The first correspondence course to be offered by the college commenced in September, 1971. The course covering basic Farm Accounting was well received and by the end of the college year 133 students from the four western provinces and Nova Scotia had enrolled.

A comparison of 1971 - 72 activities in Continuing Education with those of 1970 - 71 is made in the following table:

Number of Courses		Total Enrolment	
<u>1970 - 71</u>	<u>1971 - 72</u>	<u>1970 - 71</u>	<u>1971 - 72</u>
27	51	388	1,440
Increase in courses - 89%		Increase in enrolment - 270%	

Extension Programs The college serves continuing and expanding extension functions. Agricultural and Home Economics programs are conducted in co-operation with the Department of Agriculture. In addition, the facilities and, in some cases staff, are made available to a wide variety of organizations for meetings, courses, conferences, seminars, workshops, field days and study groups.

Campus Development A program of landscaping, road and sidewalk construction and development of a recreation area was continued but is not yet completed.

New water lines were installed as well as a sprinkler system for campus lawns. Additional campus lighting was installed.

Preliminary studies towards development for a new ' Learning Resource Centre' were undertaken.

Financial Assistance to Students The main source of financial assistance to students was the provincial plan now known as "Students Finance". A limited number of students received assistance from other sources such as Canada Student Loans; Canada Manpower; Alberta Vocational Training Division, Department of Education; Department of Indian Affairs, Workmen's Compensation and the Department of Social Development.

Industry, organizations, individuals and the Surplus Wheat Board Monies Trust Fund continued to provide scholarships, bursaries and prizes.

Fairview College The Fairview College continued to serve the Peace River Country with regular programs. Fairview took a prominent part in the Priority Employment Training Program giving training to over 130 trainees. Fairview College continued to take programs off campus as resources permitted.

J. A. R. Palin, Principal

The enrolment in the regular Agricultural Technologies, continued to be low, but recruitment for Diesel Mechanics saw demand outstrip available training places. The demand for mechanics classes is growing stronger but Fairview College can meet this demand only as budget permits.

The public continue to use the facilities of Fairview College for a wide range of public information meetings and seminars. Grande Prairie College and Fairview College continue to offer extension courses in each others facilities. Grande Prairie College also offers at least one credit course per winter session at Fairview.

The need for more pre-employment courses in the Peace River area becomes more apparent each year. Automotives and Beauty Culture courses would be well received. Demand is growing for Electronics, Commercial Cooking and Auto-Body pre-employment courses.

Vermilion College

W. S. Baranyk, Principal

1971 - 72 is to be noted for increased program activity at Vermilion College. The number of people served increased significantly. This increase was due in part to the introduction of the Priority Employment Training Program.

There were 831 people who completed a unit of training during the year. The use of College facilities and involvement of staff and students within the broad community continued to increase.

During the early part of the year, arrangements were made to facilitate transfer of credit for studies at the post-secondary level completed at Vermilion College to other post-secondary institutions in the province. This arrangement should have a marked impact in the future.

The function of the Administrative Council proved effective in the decision making process, relative to all phases of the college operation.

No major construction was undertaken during the academic year while the general state of repair and maintenance was kept at a high level.

Program Development and Curricula

Minor revisions in content have been implemented to reduce the number of subject offerings. Interest and enrolment in the Renewable Resources Technology have increased significantly. This technology is under review and modifications are in the process to provide a broader theoretical and experience base to meet student interest and occupational opportunities. Members of the Advisory Committee on Renewable Resources have made a significant contribution to the development of this program.

Following the reorganization of the Administrative Structure three basic diplomas will be issued to graduates with the specialty indicated:

1. Diploma in Arts & Social Science
2. Diploma in Life Sciences
3. Diploma in Physical Sciences

Continuing Education

Interest in correspondence courses and short specialty courses increased significantly. Correspondence courses in the Custodial-Maintenance areas designed for those who wish

to improve and upgrade themselves are being extended. Two new modules in supervision and management will be introduced in the 1972 - 73 academic year.

Demand for the one month course in Artificial Insemination has increased to the point where two consecutive classes have been offered to meet the demand.

Priority Employment Training Program

The Priority Employment Training Program was intended to train unemployed persons and return them to the labor market more employable than before.

Two of the twelve courses actually given, were part of on-going programs and thus the P.E.T.P. students merely augmented regular class numbers. Three classes were offered in two sections and of these, two were conducted at other locations.

Eighteen ladies of the St. Paul district spent eight weeks in the St. Paul Regional High School on a Home Maker Service course. This was intended to provide a number of emergency home makers within the community, who could be called upon as needed to assist families temporarily without the services of their regular home maker.

A vacant garage in Bonnyville was the training centre for 24 district men enrolled in an introductory welding course.

Several of them obtained employment immediately as welder's assistants. Most felt capable of meeting their own needs at home on their isolated and somewhat marginal farms, and those not regularly employed as welder's assistants, look forward to this type of work through the winter months.

Regional Colleges General New Programs

1. The correspondence program in Basic Farm Accounting at Olds was well received with 125 trainees enrolled.
2. Dairy Production program offered training for 15 and was filled at Olds with three applicants asked to wait for the next offering.
3. Olds Priority Employment Training Program in Ornamental Horticulture and Meat Cutting program organized by Red Deer College and offered at Olds by staff there, were both well received.

4. Vermilion had a very successful Priority Employment Training Program with fourteen offerings involving 250 trainees. Two programs were offered by college staff off-campus at St. Paul and Bonnyville and involved 42 trainees.

5. Also at Vermilion a program for Hunting Guides was given on a trial basis and grew out of the Land Use Program. It will now have a separate advisory committee.

6. At Fairview eight Priority Employment Training Programs were offered involving 105 trainees. Three of these were off-campus programs in Fairview Town and at Rycroft and Eaglesham.

Proposed New Programs

1. Pre-employment programs are being broadly considered for Fairview particularly in the fields of Automotives, Beauty Culture, Electronics, Commercial Food Preparation and Auto Body Repair.

2. Plans to offer a Floriculture program at Olds commencing in January, 1973, have been finalized.

Board of Agricultural Education

With the rescinding of the Agricultural and Vocational Colleges Act, September, 1971, the Board of Agricultural Education as such ceased to exist.

Use of College Facilities for Other Than Regular Programs

The facilities at each college continued to be used throughout the year by a large number of regional and provincial groups. These included farm organizations, conferences, sports events, advisory committee meetings, conventions, commercial firms, government agencies and summer programs for 4-H Club members and other groups.

Attendance at these functions is recorded as persons/days, i.e.: if 10 people attended a function lasting three days, the attendance would be recorded as 30 person/days. For the period August 1, 1971 to July 31, 1972, attendance for these various functions at the colleges was:

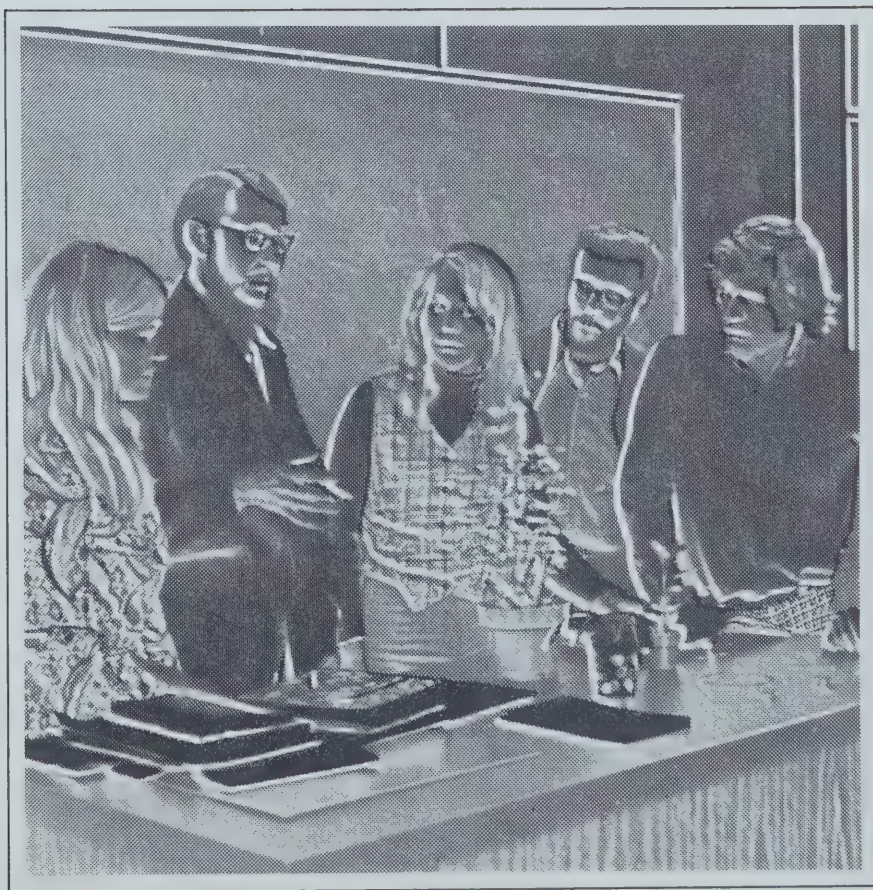
(Comparable 1971 figures are shown in brackets).

	Number of Events		Person/Days	
	1972	(1971)	1972	(1971)
Olds	273	(211)	36,197	(30,866)
Vermilion	201	(152)	13,124	(12,620)
Fairview	173	(168)	10,069	(6,987)
Total	647	(531)	59,390	(50,473)

Construction 1972 No major construction was undertaken.

Minor jobs included completion of the Swine Barn at Fairview and construction of a greenhouse unit, field house and various livestock corrals at Vermilion.

Continuing Education



Continuing Education Division

Brian Staples, Coordinator

Continuing education is a rapidly expanding area which was incorporated under the Department of Advanced Education in April, 1972. There are two major functions performed by this division. These include approval and funding of school extension programmes provided by Alberta school systems and provision of leadership in the development of coordinated adult educational programmes offered by various governmental institutional and voluntary agencies in communities throughout the province.

In the 1971 - 72 school year, thirty-seven school systems out of a possible one hundred and forty-two operated school extension courses which were financially supported by the Department of Advanced Education. A total of 253 credit and 1,284 non-credit school extension courses were approved during the past year. The adult and continuing education programmes offered included academic courses, business education courses, home economics, industrial and technical arts and crafts and general interest courses.

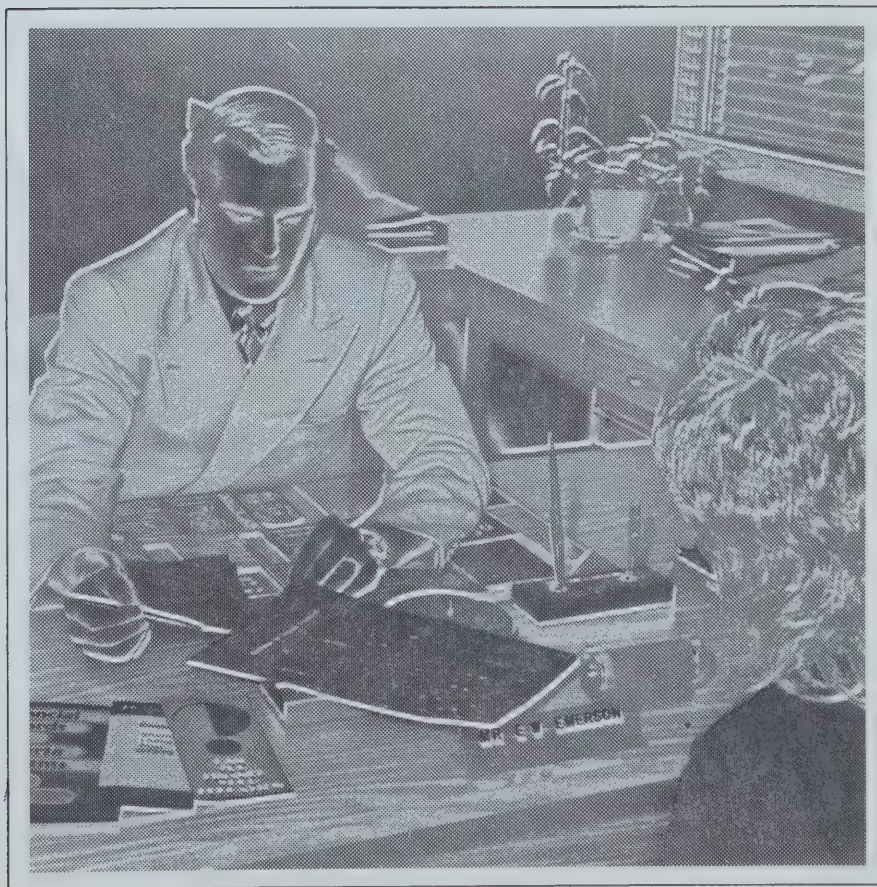
In any given Alberta centre there are a number of persons who, as part of their total job responsibilities, are involved in offering educational programmes to adults. Such people include the School Superintendent, the Recreation Director, the District Agriculturist, the District Home Economist, the Preventive Social Services Director, Public Health Nurse, and representatives of voluntary clubs and associations. For this reason, the division has worked closely with such people and encouraged their involvement in local continuing education councils throughout the province. During 1971 - 72 there were 35 centres in Alberta where continuing education councils operated.

These councils have attempted to assess continuing educational needs of people in local areas and promote the development of coordinated continuing education programmes. The councils have also attempted to facilitate inter-agency communication and cooperation directed toward greater utilization of facilities and resources in continuing education.

Other functions performed by the continuing education division include administration of the dissemination of textbooks for New Canadian educational programmes in cooperation with the School Book Branch and involvement with the Canadian International Development Agencies in selection of Canadian adult educators for overseas work.

The long term goal of the continuing education division is to promote a learning society where people with enquiring minds are able to live comfortably with rapid social change and even influence the direction of that change.

Student Finance



Student Finance

The Board administered financial assistance to students studying in post-secondary institutions and, in some cases, to those in high school programs.

STUDENTS' FINANCE BOARD

P. Tietzen - Chairman

Students were assisted by:

- Provincial Government scholarships, prizes, bursaries, fellowships, grants, remissions and loans
- Canada Student Loans

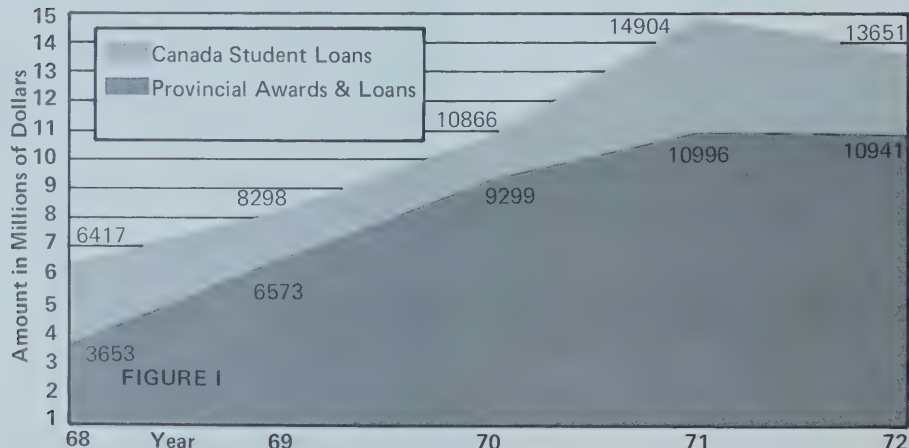
1972 was the first year the Board operated under the Students' Finance Act, 1971. The Act restructured the Board and introduced a loan/remission program rather than the previous loan/grant program. The remissions are, in essence, deferred grants payable after the student completes his studies.

For 1972 the Province incurred a liability of 1.6 million dollars under this remission program. In addition the new Act and Regulations created broader eligibility for students, allowing the Board to assist students in an increased number of programs in both public and private post-secondary institutions.

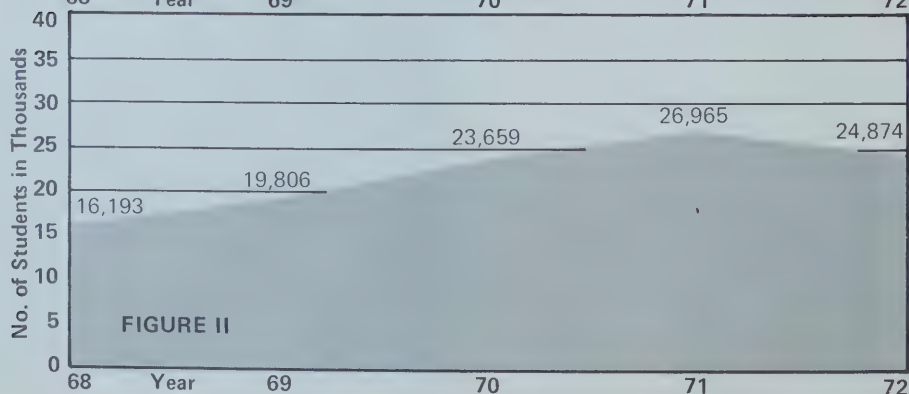
During the year the Board constructed an appeals procedure whereby a student can receive reconsideration of his award by a group which includes student representatives.

Figure 1 (below) shows that total assistance awarded during 1972 was slightly less than the previous year. Figure 2 illustrates that the number of students assisted was also fewer. There were notable areas of growth within the program, however, including Graduate Students, Commercial College students, Vocational and Technical students, Adult High School students and Summer Session students.

Amount of Money Awarded
for Student Assistance
1968 - 1972



Number of Students
Receiving Financial
Assistance
1968 - 1972



Other Services



NAIT and SAIT Bookstores

W. F. Logan, Manager

Administration

The School Book Branch in Edmonton is responsible for the administration and operation of the Bookstores located on the campuses at the Northern Alberta Institute of Technology in Edmonton and the Southern Alberta Institute of Technology in Calgary. The responsibility for these subsidiary retail outlets was assumed by the School Book Branch in September 1961 for the SAIT Bookstore and December 1962 for the NAIT Bookstore.

Staff

Mr. K. McLennan is Manager of the NAIT Bookstore and has a permanent staff of four employees. The SAIT Bookstore Manager is Mr. G. E. Walker who has a permanent staff of five employees. During peak rush periods both Bookstores hire an additional three or four temporary employees. A staff of four employees is located at the head office at the School Book Branch to coordinate the activities of both Bookstores.

Functions & Objectives

The Bookstores provide an important service in that they purchase, stock and distribute technical textbooks and supplies to the Institute of Technology students. It is the objective of the Bookstore operations to provide, promptly and efficiently, all essential educational material at the lowest possible price. They are in a particularly advantageous position to achieve this goal as the Government requests that they operate on a non-profit basis.

Research, Development and Examinations

J. E. Reid - Director

A breakdown of activities related to the Department of Advanced Education is given under three headings — Research, Development of Educational Data Processing Systems, and Examinations and Student Records.

Research

The results of Grade XII students writing Grade XII Departmental examinations were analyzed at the end of each examination schedule to determine the number of students eligible for entrance into an Alberta university or college. This analysis is completed by geographic area, sex and the number of years spent in high school. A total of 1,005 students received matriculation standing at the end of the first semester and 8,660 completed matriculation at the end of the 1971 - 72 school year. The records of approximately 30,000 Grade XII students registered during the school year 1971 - 72 were canvassed to determine the eligibility of a high school diploma according to regulations outlined in the 1971 - 72 High School Handbook. A total number of 19,011 students were issued diplomas during the 1971 - 72 school year.

Development of Educational Data Processing Systems

Students Finance Board — In co-operation with the Provincial Data Centre, the Branch commenced with the design and implementation of a data processing system to process student applications, for the purpose of issuing grants and loans, and an accounting system. The student assessment sub-system will be in operation effective January 1, 1973. The accounting sub-system, which is currently operational, provides monthly data on (a) provincial loans disbursed, (b) total provincial indebtedness, (c) interest on provincial loans payable to each bank branch, and (d) listings showing interest by branch banks.

Examinations and Student Records

Grade XII Departmental examinations were administered in November, December, January, March, June and August. A total of 43,602 examination result statements were issued.

A total of 63,502 transcripts of high school records were issued from September 1, 1971 to August 31, 1972.

Personnel

D. B. Pinckston, Personnel Officer

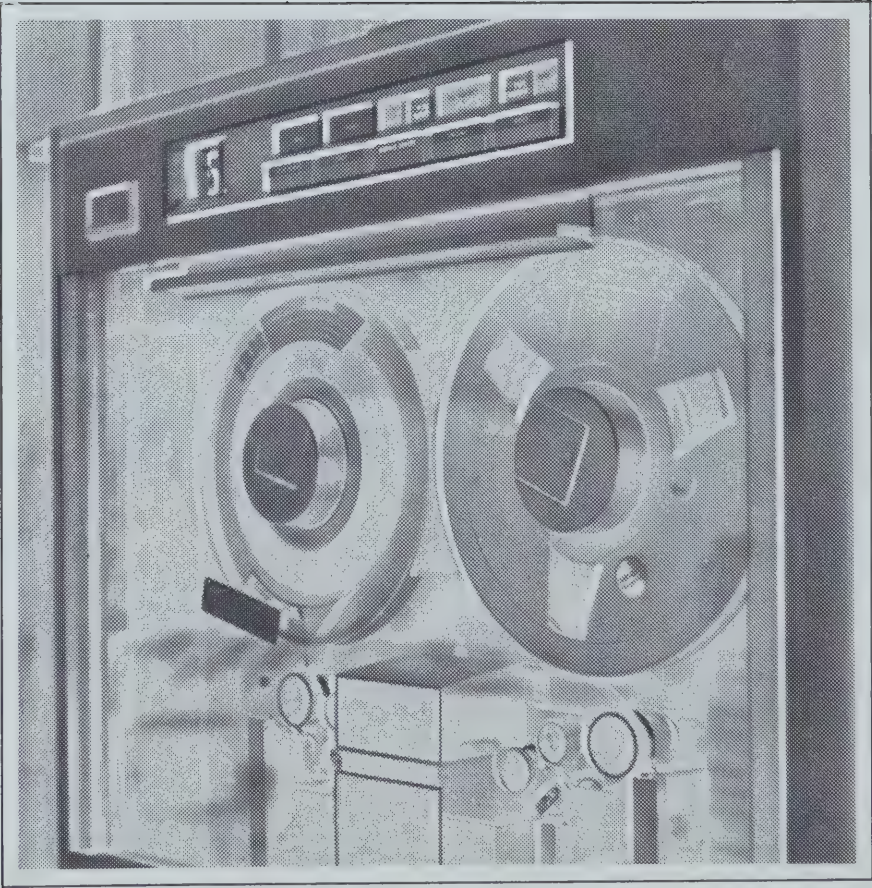
The personnel office staff have, during the past ten months, been serving the needs of both the Department of Education and the Department of Advanced Education. While one purpose of the branch is to ensure the orderly processing of personnel transactions, that all benefits and conditions of employment are rightfully afforded all departmental employees, the Personnel Officer, together with his assistants, advises the branch heads in the application of personnel policy consistent with the Public Service Act and accompanying regulations.

The branch conducted a total of fifty-five selection panels in accordance with the merit principle. Six of these panels were for the purpose of recruiting wage personnel. Sixty-nine people were appointed to fill both salaried and wage positions from these competitions. Position classification reviews, including job descriptions submitted for updating purposes, totalled sixty-five.

Of significance this year was the introduction, on May 1, 1972, of a collective agreement between employees represented by the Civil Service Association of Alberta and the provincial government. The ramifications of the formal agreement, which includes a four step grievance procedure was explained to managerial personnel in training sessions conducted prior to the implementation of the agreement. Only one formal grievance was submitted in the year ending June 30, 1972.

Department Staff Complement	Name	Appropriation	Filled	Vacant	Total
	Minister's Office	3001	3	0	3
	Deputy Minister's Office	3002	2	2	4
	Students' Finance	3008	44	17	61
	Agriculture & Vocational Colleges Administration	3014	5	0	5
	Olds College	3015	76	9	85
	Vermilion College	3016	69	6	75
	Fairview College	3017	35	6	41
	Continuing Education	3025	2	0	2
	SAIT	3055	672	41	713
	NAIT	3056	682	55	737
	General Administration & Vocational Education	3062	34	11	45
	Alberta Petroleum Industry Training Centre	3064	7	1	8
	Alberta Vocational Centre, Edmonton	3065	53	15	68
	Alberta Vocational Centre, Calgary	3067	43	9	52
	Alberta Vocational Centre, Fort McMurray	3069	74	20	94
	Alberta Vocational Centre, Grouard	3074	15	9	24
	Satellite Centres	3075	1	2	3
		TOTAL	1817	203	2020

Statistical Appendix



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Table A

Technical and Vocational Training

Vocational Training for Adults:		Other Alberta Vocational Centres	
Alberta Vocational Centre, Edmonton		Enrolment	531
(Academic Upgrading, Nursing Orderly, Business Education and Industrial English programs)		Student days of training	15,639
Enrolment	2,311	Occupational Training of Adults Agreement	
Student days of training	185,904	Manpower contracted for 6,889 training spaces involving a total of 516,045 training days, for General Purchase. There were 10,305 places involving 320,463 training days for Apprenticeship Purchase.	
Alberta Vocational Centre, Calgary		Vocational Rehabilitation of Disabled Persons Agreement	
(Academic Upgrading, Business Education, Industrial English and Nursing Orderly programs)		Enrolment	687
Enrolment	1,345	Student days of training	39,467
Students days of training	92,446	The Alberta Vocational Training Program	
Alberta Vocational Centre, Ft. McMurray		Enrolment	9,280
(Academic Upgrading, Automobiles, Building Construction, Business Education, Career Driving, Cooking, Heavy Equipment Operating, Journeyman Carpentry Upgrading, Pipe Trades, Retail Clerking, Welding, Industrial Welding programs)		Student days of training	408,725
Enrolment	511		
Student days of training	33,255		
Nursing Aide Training			
Enrolment	609		
Student days of Training	100,750		
Alberta Petroleum Industry Training Centre, Edmonton			
Enrolment	923		
Student days of training	7,190		
Alberta Vocational Centre, Grouard			
(Academic Upgrading, Education Technicians, Carpentry, and Agricultural Manpower programs)			
Enrolment	346		
Student days of training	22,760		

Table A2

Statistics
Canada Manpower O.T.A. Training Purchase

Part I - General Purchase

Institution	No. of students admitted to training	No. of possible student days of training
Alberta Petroleum Industry Training Centre	535	5,000
Nursing Aides	135	23,214
Agricultural and Vocational Colleges	50	2,855
Community Colleges	1,038	74,053
Alberta Vocational Centres	2,996	209,670
Institutes	552	39,600
Agricultural Courses	1,080	37,346
Other	503	12,751
Training of students enrolled in previous year	--	111,556

Total	6,889	516,045
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Part II - Apprentice Purchase

Apprenticeship training	8,683	394,730
Grand Total	15,572	910,775

Table A3

Statistics
Alberta Vocational Training Programs

Part I - According to Type of Institution Attended

Institution	No. of students admitted to training	No. of possible student days of training
Alberta Vocational Centres	2,048	140,334
Technical Institutes	73	8,750
Community Colleges	51	5,518
Agricultural and Vocational Colleges	28	1,101
Private Schools	313	29,030
Priority Employment Training	4,075	176,081
Others	2,692	47,911
Total	9,280	408,725

Part II - According to Nature of Referral

	No. of Students	No. of Student Training Days
Alberta Vocational Training Rehabilitation	8,593 687	362,258 39,467
Total	9,280	408,725

Northern Alberta Institute of Technology

Table No. 1

Business Education and Vocational Division
June, 1971 to June, 1972

Table No. 2

Industrial Division

June, 1971 to June, 1972

Program	Enrollment	Program	Enrollment
Barbering	23	Air Conditioning & Refrigeration Technology	36
Beauty Culture	62	Building Construction Technology	36
Business Administration	354	Commercial Signwriting	15
Commercial Baking	15	Electrical Technology	70
Commercial Cooking	90	Forest Technology	85
Computer Systems Technology	123	Heavy Duty Equipment Technology	54
Dietary Technology	62	Industrial Production Technology	24
Host-Hostess	36	Millwork & Carpentry	22
Marketing Administration	216	Telecommunication Technology	112
Meat Cutting & Butchering	30		
Medical Record Librarian	31		
Medical Typist	31		
Office Machine Technician	22		
Secretarial Technology	156		
Sewing	110		
Teller Training & General Business	44		
TOTAL	1,405	TOTAL	454

Table No. 4

Apprenticeship Division

June, 1971 to June, 1972

Program	Enrollment	Program	Enrollment
(Academic) Pre Technology	53	Auto Body Mechanic	173
Adult Pre Technology	83	Baker	25
Architectural Technology	139	Bricklayer	55
Biological Sciences Technology	116	Carpenter	284
Chemical Technology	115	Cook	40
Civil Technology	136	Electrician - Communications	155
Dental Assisting	43	Electrician - Construction	748
Dental Laboratory Technology	49	Electrician - Power	78
Drafting Technology	72	Floorcovering	49
Electronic Technology	257	Gasfitting	49
Electronics Technician	39	Heavy Duty Mechanic	206
Exploration Technology	118	Instrument Mechanic	46
Food Technology	27	Insulators	14
Gas Technology	79	Lathers	26
Instrumentation Technology	76	Machinist	92
Materials Testing & Metallurgy Technology	22	Millwright	62
Medical Laboratory Technology	71	Motor Mechanic	833
Medical X-Ray Technology	65	Painting & Decorating	108
Photographic Technology	54	Partsman	75
Plastics Technology	33	Plasterers	22
Radio & Television Arts	47	Pipe Trades	307
Respiratory Technology	22	Plumbers	293
Social Services Technology	42	Pre First Year General	22
Surveying Technology	44	Pre First Year Math	32
		Radio Technicians	74
		Roofers	52
		Sheet Metal	229
		Steamfitters	92
		Tilesetters	10
		Welders	481
TOTAL	1,802	TOTAL	4,732

Division of Continuing Education
June, 1971 to June, 1972

TABLE 5 (continued)

Course	Enrollment	Course	Enrollment
A Practical Study in the Stock Market	111	Architectural Graphics I	14
A. C. Fundamentals & Lab	24	Architectural Presentation Techniques II	10
Accounting BA 110	115	Art Sheet Metal	41
Accounting BA 111	63	A.S.E.T. Physics III - A.S.E.T. Physics IV	8
Accounting BA 112	35	A.S.M.E. Codes & Design of Boilers & Pressure Vessels	18
Accounting BA 120	90	Asphalt & Highway Engineering Technology	20
Accounting BA 121	20	Automatic Transmission Chrysler Aluminum Torqueflite	17
Administration	96	Automatic Transmission - Diagnosis & Adjustment	35
Administrative Controls	46	Automotive Brake Analysis & Servicing	17
Advanced Dressmaking (Clothing III)	22	Automotive Engine Machining	10
Advanced Metallurgy	10	Basic Cake Decorating with Piping Tube	32
Advanced Pattern Drafting & Sewing	33	Basic Carpentry I	18
Advanced Solid State Theory and Lab	16	Basic Carpentry II	17
Advanced Subscribers Equipment	8	Basic Color Photography	33
Advertising	12	Basic Diesel Mechanics	14
Air Conditioning I	24	Basic Digital Computer Theory & Lab	28
Air Conditioning II	15	Basic Dressmaking (Clothing I)	95
Alberta Roadbuilders Association Seminar Phase II	35	Basic Economics	10
Alternator Charging Systems	19	Basic Electrical Course for G.C.O.S. (Ft. McMurray)	16
Aluminum Welding - T.I.G. & M.I.G.	10	Basic Electricity	35
Amateur Radio (Basic)	11	Basic Financial Controls	44
Amateur Radio (Practical)	8	Basic Genetics	12
An Introduction to Rock & Mineral Identifications	20	Basic Glassblowing	23
Applied Communications for Foreign Students	12	Basic Graphics I	39
Applied Mechanics	7	Basic Medical Terminology	70
Appreciation SP 1 (A.G.T. Special Course)	11	Basic Metal Repair (Antique Cars)	26

TABLE 5 (continued)

Course	Enrollment	Course	Enrollment
Basic Metallurgy	13	Carpentry Upgrading	11
Basic Pattern Drafting & Sewing	109	Clinical Dental Assisting	14
Basic Tradesmen's Mathematics	23	CNR Mechanics Pre-Course (Special	8
Basic Typist	121	CNR Mechanics Special Course	18
Basic Woodwork	21	Cobol Programming I	53
Beginners Oxy-Acetylene Welding	41	Cobol Programming II	13
Bicycle Repair & Maintenance	54	Cold Lake - Calculus Phase I	15
Black & White Photography Part I	58	Cold Lake - Calculus Phase II	11
Black & White Photography Part II	31	Cold Lake - Calculus Phase III	8
Black & White Photography Part III	20	Cold Lake - Network Analysis Phase I	15
Bookkeeping	127	Cold Lake - Network Analysis Phase II	11
Boolean Math & Logic Theory (A.G.T. Special Course)	12	Cold Lake - Network Analysis Phase III	8
Brake Systems Orientation (Special)	26	Color Photography Lab	12
Business Administration	338	Commercial Woodfinishing	29
Business Administration Summer Program	55	Common Control Switching (A.G.T. Special Course)	7
Business English (Dental Assisting)	10	Communication Clinic - Report Writing (Sherritt Gordon Mines Ltd.)	21
Business Law	64	Communications	36
Business Machines	13	Communications Seminar & Workshop	2
C.A.E.D. Conference	35	Computer Applications Theory & Lab	8
Canada Manpower Summer Program	139	Computer Programming Fundamentals (A.G.T. Special Course)	12
Canadian Institute Traffic & Transportation (First Year Certificate)	11	Construction Electrical Upgrading	21
Car Operators General Knowledge Course (Ladies Only)	63	Construction Materials I	24
Carburetion & Fuel Systems	15	Construction Materials II	18
Carpentry Practises - Machinery & Power tools	11	Construction Materials Lab	18

TABLE 5 (Continued)

TABLE 5 (continued)

Course	Enrollment	Course	Enrollment
Construction Methods II - Form Design	6	Estimating I	54
Construction Methods III	5	Estimating II	36
Continental Cookery	55	Executive Administration - Accounting II	3
Custodial Training School	54	Executive Administration - Economics II	4
DAP 16 Machine Language (Special Course)	15	Executive Administration - Management Control	6
DC Fundamentals 2: Lab	38	Executive Administration - Meetings (Law & Procedures)	7
Decoration of Fancy Cakes & Pastries	17	Exhaust Emission Control Systems	12
Dental Assisting (Special Course)	39	Family Finance	9
Dental Assisting Arts	14	Field Surveys	15
Dental Instruments & Equipment	14	Field Work	3
Dental Radiography	9	Fine Needlecraft	20
Design & Color	15	First Class Journeyman to 'B' Pressure	55
Diesel Fuel Injection & Diesel Engine Testing	23	First Class Journeyman to 'B' Pressure Day Course	7
Downhand Pipe Welding	22	Flora of Alberta	14
Drawing	35	Functional Anatomy (Biological Sciences)	12
Ecology	14	Functional Anatomy (Dental Assisting)	18
Effective Reading	14	Furniture Construction	14
Effective Speaking	54	Gas Controls Basic Course	15
Electric Welding	131	Gas Plant Processes	18
Electrical Circuit Design I	14	Gas Processing Plant Operations Correspondence Course	26
Electrical Construction Estimating	17	Gas Processing Plant Operations Correspondence Tutorial Program	21
Electrical Fundamentals for AMOCO (Special)	12	Gasfitting	10
Electrical Upgrading Course C.M.C. (Special)	16	Gasfitting — Upgrading	19
Electricity II	14	General Animal Physiology	11
Electronics I & Lab	14	Geodetic Surveying I	9
Elementary Cabinet Making	23	Gregg Shorthand	51
Engineering Economics & English Part IV	17		
English (Social Services)	27		

TABLE 5 (continued)

Course	Enrollment	Course	Enrollment
Gregg Shorthand - Advanced	12	Introduction to Cinematography	21
Heavy Duty Equipment & Industrial Hydraulics	12	Introduction to Commercial Signwriting - Part I	16
Heavy Equipment Electrical Systems	14	Introduction to Commercial Signwriting - Part II	9
Heterocyclic Organic Chemistry Theory	5	Introduction to Commercial Signwriting - Part III	10
Home Alterations	14	Introduction to Computers	91
Human Relations	56	Introduction to Numerical Control Machine Tools (Stelco only)	14
Hydraulics	15	Introduction to Organic Chemistry	10
Income Tax Procedures in Business	27	Introduction to Public Relations	28
Industrial Electrical Power Systems	20	Keypunch	61
Industrial Electricity	7	Klondike Sewing	20
Industrial Hydraulics I	10	Knit Clothing	130
Industrial Measurements I	25	Landscape Composition and Painting	17
Industrial Measurements II	18	Life Drawing	9
Instrumental Analysis - Gas Chromatography	11	Linear Algebra & Analysis	7
Instrumental Analysis - Ultraviolet Spectrophotometry	6	Low Hydrogen F-4	22
Instrumentation Course for Chevron Standard	13	Machine Shop I	17
Intensive Care Advanced Training	22	Machine Shop II	20
Interior Decoration	100	Machine Shop III	12
Intermediate Cabinet Making	17	Marketing for Service Businesses	9
Intermediate Dressmaking (Clothing II)	60	Master Electrician Certification	43
Intermediate Pattern Drafting & Sewing	41	Materials Handling Management	11
Intermediate Tradesmen's Math	14	Mathematics for the Electrical Trades	8
Intermediate Typing	83	Mechanical Estimating for the Pipe Trades	12
Introduction to Blueprint Reading	13	Mechanics of Fluids	8
Introduction to Blueprint Reading & Building Construction Estimating	12	Medical Information	10

TABLE 5 (continued)

TABLE 5 (continued)

Course	Enrollment	Course	Enrollment
Medical Transcription I	9	P.I.T.S. Grophysical Surveyors' Upgrading Course (Olds, Alberta)	7
Millwrights I	12	P.I.T.S. Industrial Electrical Power Systems	23
Millwrights II	16	P.I.T.S. Pipe Line Electrical Maintenance Program Phase II	10
N.A.I.T. Summer Recreation Program	637	P.I.T.S. Pipeline Electrical Maintenance Program Phase IV	10
Non-Destructive Testing I	14	P.I.T.S. Welding Inspectors Course	23
Non-Destructive Testing II	14	Plant Propagation	11
Normal Growth & Social Environment	22	Plumbing	12
Oil Rig Electrical Maintenance	12	Plumbing Upgrading	26
Oil Rig Electrical Maintenance (For A.P.I.T.C.)	11	Pneumatic Control Instruments	23
Operation of the Builder's Level	14	Pollution Workshop for Teachers	36
Oral Anatomy & Pathology	14	Power Engineering (Third Class)	23
Organic Analytic Chemistry	8	Practical Heat Treatment of Steels	17
Oscilloscope Testing of Ignition Systems	18	Pre-Test Tune Up	183
P.A.B.X.'s	11	Principles of Common Control (A.G.T. Special Course)	12
PB 100	17	Printing Color Negatives	26
Pattern Drafting & Applied Dress Design (Clothing IV)	6	Priority Employment Training Program	11
Pattern Drafting & Design	14	Auto-Body Orientation	42
Personality Dynamics & Effective Behavior	23	Automotive Orientation I & II	13
Personnel (Employer-Employee Relationships)	42	Bank Teller Upgrading	12
Photogrammetry I	16	Bicycle Repair	46
Photogrammetry II	13	Clerk Typist Training	46
Pilot's Ground - Part I	53	Diet Aide Program	18
Pilot's Ground - Part II	38	Drafting Upgrading	18
Pitman Shorthand Beginners	34	Financial Assistant Program	18
Pitman Shorthand Refresher	50		
P.I.T.S. Basic Instrumentation (Short Course)	35		

TABLE 5 (continued)

Course	Enrollment	Course	Enrollment
Medical Receptionist	28	Respiratory Technology Review Course	15
Office Assistant Program	24	Retail Management	28
Power Engineer 4th Class	19	Retail Selling	26
Pre-Employment Bakery Training	15	Roofing	19
Pre-Employment Bricklaying	21	Sales Management	11
Pre-Employment Lathing	28	Salesmanship Advanced	50
Pre-Employment Machine Shop	13	Salesmanship Basic	14
Pre-Employment Painting and Decorating	12	Sculpture & Clay Modelling	14
Pre-Employment Plastering	5	Second Class to First Class Journeyman	24
Pre-Employment Tilessetting	5	Semi-Conductor Electronics	28
Pre-Employment Woodworking	14	Seminar on Communication (Texaco)	40
Pre-Technology Upgrading	18	Social Services Problems	24
Sales Clerk Program	22	Social Services Resources	30
Short Order Cook	5	Solid State Theory & Lab	37
Window Display Techniques	14	Special Day Students	1
Procedures in House Building	36	Statics I	12
Process Control Systems I	8	Statics II	10
Production Technology	32	Steamfitting	8
Public Relations	16	Steamfitting Upgrading	46
Pulse Theory & Lab	10	Stenoscrypt	87
Purchasing	52	Stock Market Charting	72
Radio Writing	18	Strength of Materials - Self Study	5
Rapid Reading	120	Structural Design in Concrete	8
Real Estate	35	Structural Drafting I	11
Refrigeration I	26	Supervision in Construction	42
Refrigeration II	10	Supervisory Practices	58

TABLE 5 (continued)

TABLE 5 (continued)

Course	Enrollment	Course	Enrollment
Survey	19	T.I.G. Welding	23
Survey Drafting	10	T.I.G. Welding Day Course	7
Survey Field Work	10	Topographic Drafting I	13
Surveying Theory	11	Topographic Drafting II	5
Switching I - Basic Telephony	8	Travel Advisor	90
SP I Switching System - Detailed (AGT Special Course)	15	TV Theory & Lab	21
Systems Analysis I	10	Typing (Dental Assisting)	16
Tailoring for Men	14	University Mathematics Preparation	19
Technical Math 5M	24	Welding (Short Course Pre-Employment)	28
Technical Math 10M	23	Welding Pre-Test Tune Up (Williams Brothers Canada Ltd.)	15
Technical Math 20M	14	Welfare Practices I	32
Technical Math 40M	15	Wheel Alignment & Steering Analysis	21
Technical Math 50M	16	Window Display Techniques	18
Technical Math 51M	28	Wood Design	8
Technical Math 60M	46	Wood Project I - Rumpus Room Bars	17
Technical Math 70M	25	Wood Project II - Furniture for Children	20
Technical Math 80M	24	Wood Project III - Stereo & Hi-Fi Cabinets	31
Technical Writing 40E	24	Wood Project IV - Bookcases & Gun Cabinets	26
Technical Writing 50E	10	Wood Project V - Patio Furniture	16
Technical Writing 60E (Independent Study & Tutorial Approach)	4	Work Study Analysis	36
Television Production Laboratory	38		
Television Theory - Color & Lab	21		
Television Writing	11		
The New Diet Therapy Manual - Lecture & Discussion	22		
		TOTAL REGISTRANTS	9,823

Southern Alberta Institute of Technology

EXHIBIT A

Average Starting Salary Received by Graduates

	1971	1972		1971	1972
Aeronautical Engineering Technology	--	498.00	Electrical Technology	550.00	624.00
Air Conditioning Engineering Technology	543.00	500.00	Electronic Technology	531.00	581.00
Aircraft Maintenance Technology	475.00	521.00	Graphic Arts Administration	----	----
Architectural Technology	----	512.00	Journalism Administration	----	425.00
Automotive Service Technology	500.00	----	Library Arts	----	416.00
Broadcast Technology	----	506.00	Mechanical Design	515.00	531.00
Business Administration (Accounting Option)	525.00	500.00	Merchandising Administration	----	----
Chemical Technology	620.00	----	Petroleum Technology	550.00	617.00
Chemical Technology (Biochemistry)	----	462.00	Power Engineering Technology	525.00	660.00
Chemical Technology (Research)	546.00	466.00	Recreation Facility Maintenance Technology	500.00	----
Chemical Technology (Operations)	628.00	581.00	Secretarial Arts	352.00	400.00
Computer Technology	500.00	496.00	Structural Engineering Technology	500.00	600.00
Commercial Baking	416.00	----	Surveying Technology	625.00	612.00
Commercial Cooking	450.00	----	Telecommunication Technology	580.00	599.00
Dental Assistant		341.00	Television, Stage & Radio Arts	----	395.00
Drafting Technology	489.00	515.00			

EXHIBIT B

Program Enrollment

Enrolments in Technology Day Programs

Program	Enrollment	Program	Enrollment
Aeronautical Engineering Technology	44	Business Administration	371
Air Conditioning Engineering Technology	30	Dental Assistant	20
Aircraft Maintenance Technology	59	Graphic Arts Administration	30
Architectural Technology	26	Emergency Medical Technician	20
Automotive Service Technology	57	Hotel, Motel & Restaurant Administration	71
Chemical Technology	99	Journalism Administration	83
Chemical Engineering Technology	25	Library Arts	55
Computer Technology	137	Medical Records	46
Dietary Service Technology	36	Secretarial Arts	115
Drafting Technology	23	Television, Stage & Radio Arts	63
Electrical Engineering Technology	62		
Electronics Engineering Technology	293	TOTAL	874
Engineering Graphics	58		
Environmental Technologies	73		
Industrial Engineering Technology	39		
Mechanical Engineering Technology	45		
Medical Laboratory Technology	48		
Petroleum Engineering Technology	154		
Power Engineering Technology	63		
Respiratory Technology	20		
Structural Engineering Technology	76		
Surveying Technology	51		
TOTAL	1,518		

Enrollments in Applied Arts Day Programs

Enrollments in Alberta College of Art Day Programs

Program	Enrollment
Art	290
TOTAL	290

Enrollments in Regular Trade Day Programs

Program	Enrollment	Program	Enrollment
Basic Plant Operator	44	Appliance Serviceman	17
Commercial Baking	31	Auto Body Mechanic	122
Commercial Cooking	90	Carpenter	300
Dining Room Service	30	Communication Electrician	209
Diesel Mechanics	49	Cook	50
Recreation Facility Operations & Maintenance	26	Electrician	622
Short Order & Specialty Cooking	36	Electrical Mechanic	23
Welding	50	Glassworker	31
Pre-Careers	58	Heavy Duty Mechanic	221
		Steel Fabricators	71
TOTAL	414	Machinist	42
		Motor Mechanic	533
Priority Employment Training Programs	513	Partsman	51
		Plumber	409
TOTAL	927	Radio Technician	42
		Refrigeration Mechanic	55
		Sheet Metal Mechanic	164
		Welding	361
		Pre-Apprentice	34
		TOTAL	3,357

Enrollment of Part-Time Students in Diploma Programs

Program	Enrollment
Diploma Programs	126
TOTAL	126

Comparative Total Enrollment

Program	1970-71	1971-72
Institute Day	2,886	3,735
Apprentice	3,770	3,357
Continuing Education	5,412	5,192
Correspondence	3,080	3,116
	15,148	15,400

Program Lengths

EXHIBIT C

Technology Day Programs

In 1971 - 72 SAIT offered 24 technology day programs. Seventeen were two years in length, one was three years, three involved one year at SAIT followed by one year's practical experience, and three were being phased out with only the final years offered.

The two-year programs were:

Air Conditioning Engineering Technology
Aircraft Maintenance Technology
Automotive Service Technology

TECHNOLOGY DAY PROGRAMS (continued)

Chemical Engineering Technology
Chemical Technology
Computer Technology
Electrical Engineering Technology
Electronic Engineering Technician
Electronic Engineering Technologist
Engineering Graphics
Environmental Technologies
Industrial Engineering Technology
Mechanical Engineering Technology
Petroleum Technology
Power Engineering Technology
Structural Engineering Technology
Surveying Technology

The three-year program was:

Aeronautical Engineering Technology

The programs being phased out were:

Architectural Technology
Drafting Technology
Electronic Technology

The one year programs at SAIT were:

Dietary Service Technology
Medical Laboratory Technology
Respiratory Technology

Applied Arts Day Programs

Of 11 Applied Arts day programs, seven were two years long and four were one year in length. Hotel, Motel and Restaurant Administration had two programs: a one-year leading to a certificate, and a two-year leading to a diploma.

The two-year programs were:

Business Administration
Graphic Arts Administration
Hotel, Motel & Restaurant Administration
Journalism Administration
Library Arts
Secretarial Arts
Television, Stage & Radio Arts

The one-year programs were:

Dental Assistant
Emergency Medical Technician
Hotel, Motel & Restaurant Administration
Medical Records

Alberta College of Art Day Programs

The Alberta College of Art offers five four-year day programs. The first year is common to all: it is a foundation year, after which the student chooses one of the following programs:

Advertising Art
Applied Art & General Crafts
Fine Art Painting
Fine Art Sculpture
Pottery and Ceramics

Trade Day Programs

Trade day programs, because they cover such diversified fields, vary in length from three weeks to two years. The nine programs offered in 1971 - 72, and their respective lengths, are as follows:

Basic Plant Operator	One quarter (three months)
Commercial Baking	One academic year (ten months)
Commercial Cooking	Two academic years (eight months each)
Diesel Mechanics	One academic year (nine months)
Dining Room Service	One quarter (twelve weeks)
Recreation Facility Operations and Maintenance	Four terms: three terms of eight weeks and one term of twelve weeks
Short Order & Specialty Cook	One academic year (ten months)
Welding	Three weeks
Pre-Careers	One, two or three quarters (twelve weeks each), according to need

Evening Programs and Seminars

Total Enrollment	5,192
Number of Courses Offered	298
Number of Courses Held	194
Number of Classes	298
Certificates Issued: Regular	2,513
Special	216
Percentage of those eligible who obtained a certificate	73%

Correspondence

Power Engineering: First Class	76
Second Class	221
Third Class	374
Fourth Class	795
Automatic Controls for Power and Process	95
Practical Mathematics	378
Dietary Service	125
SUB-TOTAL	2,064
Students carried over from previous years	1,052
TOTAL	3,116

Loans to Students at SAIT

	Students Provincial Loans Canada Loans		
September, 1971, to June, 1972	986	\$319,185	\$674,515
April, 1971 to December, 1971	40	9,685	24,725
	1,026	\$328,870	\$699,240
71 Appeals for additional funds		26,125	10,395
TOTALS: 1971 - 1972	1,026	\$354,995	\$709,635
Total Assistance: 1971 - 1972			
Provincial Loans		\$354,995	
Canada Loans		709,635	
		\$1,064,630	

NOTE: Grants were discontinued in 1971. Remission of payment to the student will take the place of grants previously given. The amount of remission for each loan has not yet been determined by the Students' Finance Board.

Regional Colleges

College Enrollment — Fall, Winter & Spring Sessions — 1971 - 72

Program	OLDS			VERMILION			FAIRVIEW			TOTAL		
	1971 Fall	1972 Winter	1972 Spring	1971 Fall	1972 Winter	1972 Spring	1971 Fall	1972 Winter	1972 Spring	1971 Fall	1972 Winter	1972 Spring
Agricultural Technology	210	234	227	70	87	84	28	25	25	308	346	336
Diesel Mechanics	¹ N/O	N/O	N/O	N/O	N/O	N/O	15	14	14	15	14	14
Fashion Merchandising	58	52	52	N/O	N/O	N/O	N/O	N/O	N/O	58	52	52
Home Economics	N/O	N/O	N/O	6	6	6	N/O	N/O	N/O	6	6	6
Secretarial Arts	45	37	33	30	24	21	17	14	14	92	75	68
Sub-Total	313	323	312	106	117	111	60	53	53	479	493	476
Correspondence Courses	49	127	130	106	146	180	N/O	N/O	N/O	155	273	310
Short Courses	----	25	33	----	----	----	70	----	----	70	25	33
High School Academics	9	22	19	48	42	35	30	34	33	87	98	87
Continuing Education	164	436	296	39	311	110	42	184	75	245	931	481
TOTAL	535 ² (370)	933 (574)	790 (587)	299 (246)	616 (466)	436 (329)	202 (238)	271 (117)	161 (183)	1036 (854)	1820 (1157)	1387 (1099)

NOTE: 1. N/O - Not Offered
2. 1971

Vermilion Regional College

College Farm			Additions, Replacements and Improvements in 1972	
Crop	Acres	Yield Per Acre (Approx. Estimate)	Machinery & Equipment	
Oats	38	40 bu.	2 heavy duty farm wagons	
Barley	32	40 bu.	Flexible harrows and drawbar	
Hay 1st Cut	40	.9 Ton	Electric drill	
Silage (Included 2nd cut of hay)	210	4 Ton	25 ton yard scale to be installed	
			12 foot haybine (rental agreement)	
Straw	70	1 Ton	Improvements	
Fallow	38	--	Completed sheep facilities	
Pasture	35	--	Straw bin constructed at Dairy Studies Building	
Livestock Inventory August 14, 1972			Remodelling heating and ventilating system at Hog Studies Building (not completed to date)	
			Installed water, gas, trial pens and exercise yard at horse barn (not completed)	
			Fenced farmyard to facilitate livestock handling	
			Leveled and graded machinery storage area	
			Grain handling facility (to be constructed)	
			Farm Sales January 1, 1972 - August 14, 1972	
			Milk & Cream	\$ 5,358.03
			Hogs	2,282.83
			Cattle	3,839.96
			Sheep & Wool	588.41
			Poultry & Eggs	45.78
			Miscellaneous	6.72
				<u>\$12,121.73</u>

At present we have pigs and sheep on trials. The pigs involve assessing asphalt planking and the sheep are used for evaluating high levels of grain for ewes.

Fairview Regional College

Feeder Cattle		Sheep
None on hand.		On hand June 30 - 428 head.
Monies received from steers in 1972	\$20,443.82	Flock made up of multiple cross.
		229 ewes @ \$20.00
		9 rams @ \$100.00
		190 Lambs @ \$20.00
		Sub-Total
		Revenue to June 30
		Estimated revenue to December 31
		TOTAL
Beef Cattle		
		Number on hand - 103 head.
		1 Hereford Bull
		1 Brown Swiss Bull
		1 Angus Bull
		3 Hereford Cows @ \$500.00
		57 Angus Females @ \$400.00
		20 Crossbred Females @ \$200.00
		4 Crossbred Males @ \$300.00
		15 Purebred Males @ \$500.00
		1 Hereford Female @ \$300.00
		Revenue to June 30
		Estimated Total revenue to June 30, 1972

Olds Regional College

Farm	Inventory of Grain for year ending June 30.	
	1972	1971
	3,933 bushels	1,086 bushels
Wheat	6,300 bushels	12,000 bushels
Oats	10,600 bushels	2,200 bushels
Barley		

Farm sales for year ending June 30, 1972; with a comparison for the previous year were as follows:

	1972	1971
Dairy Products	\$12,343.06	\$11,421.75
Dairy Cattle	5,986.61	3,984.71
Beef Cattle	32,056.79	44,529.11
Swine	22,321.33	20,075.74
Sheep	1,211.56	2,168.64
Grain	00.00	4,196.46
TOTAL	<u>\$73,919.35</u>	<u>\$86,376.41</u>

Reduced income in 1971 - 72 as compared to 1970 - 71 are mainly the result of three factors — no grain sold, lower hog prices, 60 feeder cattle sold in 1971 - 72 and 120 in 1970 - 71.

Inventory of Livestock for year ending June 30.	
Dairy Cattle	63 head
Beef Cattle	182 head
Swine	274 head
Sheep	130 head

The School Book Branch

The Bookstores are self-sustaining, as they cover all operational costs through a small mark-up on the sales of textbooks and supplies. The following statistics, taken from the Financial Report for the fiscal year 1971 - 72, provide a comparative summary of the Bookstore operations.

	NAIT BK. ST.	SAIT BK. ST.
Gross Sales	\$350,064.82	\$283,169.75
Sale of Supplies	\$ 71,086.40	\$ 94,937.39
Sale of Books	\$278,978.42	\$188,232.36
Net Purchases	\$257,868.93	\$255,210.60
Operating Expenses	\$ 52,489.94	\$ 51,895.49
Operating Expenses based on sales	14.99%	18.33%
Operating Expenses based on cost of sales	18.41%	22.92%
Inventory - March 31/72	\$ 97,904.00	\$134,582.71
Books on Hand	\$ 84,046.24	\$ 86,901.70
Supplies on Hand	\$ 13,857.76	\$ 47,681.01
Freight Expenses	\$ 3,139.33	\$ 3,049.56
Net Profit (or loss)	\$ 8,448.22	\$ 117.99
% of Profit based on sales	2.41%	.04%

GROWTH:
 With the influx of technology, as reflected by institute enrollment increases, the roles to be played by the Bookstores, as service outlets, appears very bright. The Bookstore operations in their relatively short existence have experienced rapid growth as indicated by the following statistical breakdown of yearly gross sales.

Gross Sales

